

Table A-4. Standard errors (S.E.) for selected estimates (continued)

Statistic	Total		Doctorate granting						Nondoctorate granting		Public		Private	
			Total		Top 100 in research		Other							
	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.
New construction costs (dollars in millions):														
1988	2,051	73	1,888	72	1,599	64	288	53	163	19	1,355	36	696	75
1990	2,464	128	2,315	131	1,558	34	757	114	150	56	1,727	108	738	62
1992	2,975	150	2,847	164	2,022	0	826	164	128	99	2,020	110	956	87
1994	2,859	195	2,766	190	2,076	0	690	190	92	42	2,063	157	796	110
Difference:														
1990 & 1988	414	140	427	128	-41	83	469	127	-13	60	372	102	42	84
1992 & 1990	511	231	532	249	464	34	69	233	-22	116	293	165	218	115
1994 & 1992	-116	246	-81	251	54	0	-136	251	-36	107	43	192	-160	140
New construction NASF (NASF in thousands):														
1988	9,922	387	8,908	401	7,261	215	1,647	407	1,014	117	7,344	223	2,578	271
1990	10,647	851	9,840	776	6,073	86	3,767	747	807	337	8,115	805	2,532	153
1992	11,817	816	11,022	1,000	6,972	0	4,050	1,000	795	225	8,268	7,857	3,549	230
1994	11,056	974	10,538	902	6,851	0	3,687	902	518	265	8,253	892	2,803	342
Difference:														
1990 & 1988	726	903	932	765	-1,188	242	2,120	881	-207	366	771	772	-46	244
1992 & 1990	1,170	1,508	1,181	1,659	899	86	283	1,633	-12	419	152	1,415	1,017	282
1994 & 1992	-761	1,271	-484	1,347	-121	0	-363	1,347	-277	348	-15	1,170	-746	412

KEY: "NASF" = net assignable square feet

SOURCE: National Science Foundation/SRS, 1994 Survey of Scientific and Engineering Research Facilities at Universities and Colleges

Table A-4. Standard errors (S.E.) for selected estimates (continued)

Statistic	Suitable for sophisticated research		Effective for most purposes		Needs limited repair/renovation		Needs major repair/renovation	
	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.
Amount of research space (NASF in thousands):								
1988	26,793	836	41,114	1,175	26,264	646	17,702	397
1990	30,135	1,239	41,072	1,794	27,047	914	18,073	983
1992	32,723	1,356	42,306	1,846	27,620	1,106	19,370	607
1994	33,743	1,078	41,904	1,017	29,700	1,004	22,021	770

KEY: "NASF" = net assignable square feet

SOURCE: National Science Foundation/SRS, 1994 Survey of Scientific and Engineering Research Facilities at Universities and Colleges

Table A-4. Standard errors (S.E.) for selected estimates

Statistic	Total		Doctorate granting						Nondoctorate granting		Public		Private	
			Total		Top 100 in research		Other							
	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.	Estimate	S.E.
Total research square footage (in thousands):														
1988	112,062	1,864	107,443	2,004	80,627	1,419	26,815	2,019	4,619	437	82,384	1,627	29,678	868
1990	116,327	4,054	111,166	4,092	81,659	1,327	29,508	3,574	5,161	485	86,880	3,538	29,447	1,591
1992	122,015	4,079	117,373	4,185	87,508	0	29,865	4,185	4,642	316	90,815	3,612	31,200	969
1994	127,369	2,885	121,930	2,766	90,974	0	30,956	2,766	5,439	372	91,723	2,163	35,645	1,569
Difference:														
1990 & 1988	4,265	3,586	3,723	3,659	1,032	2,533	2,693	3,659	542	205	4,496	3,026	-231	1,385
1992 & 1990	5,687	6,239	6,207	6,404	5,849	1,327	358	6,412	-519	481	3,934	6,246	1,753	1,200
1994 & 1992	5,354	4,996	4,557	5,016	3,466	0	1,091	5,016	797	488	908	4,210	4,445	1,844
Repair / renovation NASF (NASF in thousands)														
1988	838	60	793	58	596	10	197	59	45	8	436	38	402	27
1990	1,010	265	979	264	483	12	496	259	30	15	699	266	311	18
1992	825	40	794	38	632	0	161	38	32	9	449	41	376	15
1994	837	45	803	44	623	0	180	44	34	5	522	41	315	21
Difference:														
1990 & 1988	172	269	186	267	-113	18	299	261	-15	22	263	265	-91	35
1992 & 1990	-185	269	-185	267	150	12	-355	262	2	39	-250	270	65	38
1994 & 1992	12	60	9	58	-9	0	19	58	2	10	73	58	-61	26
Repair / renovation cost (dollars in millions):														
1988	13,431	1,305	12,841	1,345	9,124	304	3,717	1,299	590	90	8,745	1,196	4,685	528
1990	11,449	576	10,993	488	7,781	179	3,212	464	456	229	8,223	473	3,226	237
1992	8,606	657	8,344	624	5,622	0	2,722	624	262	81	5,420	613	3,187	180
1994	9,134	632	8,811	611	6,028	0	2,783	611	323	79	6,011	496	3,123	320
Difference:														
1990 & 1988	-1,982	1,343	-1,848	1,252	-1,343	351	-505	1,276	-134	251	-522	1,233	-1,459	384
1992 & 1990	-2,841	928	-2,649	914	-2,159	179	-490	841	-194	228	-2,804	788	-38	328
1994 & 1992	528	912	467	873	406	0	61	873	61	113	591	789	-64	367

KEY: "NASF" = net assignable square feet

SOURCE: National Science Foundation/SRS, 1994 Survey of Scientific and Engineering Research Facilities at Universities and Colleges